

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number  
WO 2005/058472 A2

(51) International Patent Classification<sup>7</sup>: B01J 2/00 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, L.C, L.K, L.R, I.S, I.T, LU, I.V, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number: PCT/DK2004/000888

(22) International Filing Date: 19 December 2004 (19.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: PA 2003 01899 19 December 2003 (19.12.2003) DK

(71) Applicant (for all designated States except US): SCF TECHNOLOGIES A/S [DK/DK]; GI. Køge Landevej 22, Bygning H, 1.sal, DK-2500 Valby (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): IVERSEN, Steen, Brummerstedt [DK/DK]; Gøngehusvej 117, DK-2950 Vedbæk (DK). FELSVANG, Karsten [DK/DK]; Mosevej 2, DK-3450 Allerød (DK). LARSEN, Tommy [DK/DK]; Stillingevej 33, Øster Stillinge, DK-4200 Slagelse (DK). LÜTHJE, Viggo [DK/DK]; Slotsparken 1B, DK-2880 Bagsværd (DK).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, I.S, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/058472 A2

(54) Title: SYSTEMS FOR PREPARING FINE PARTICLES AND OTHER SUBSTANCES

(57) Abstract: The invention relates to controlled preparation of fine particles such as nano-crystalline films and powders with at least one solvent being in a supercritical state. It provides methods, measures, apparatus and products produced by the methods. In other aspects the invention relates to further treatment of formed particles such as encapsulation of formed primary particles, and methods and measures for collection of formed substances in a batch wise, semi-continuous or continuous manner.